ORDER NO. HAD8604469C3

Service Manual

Hi-Fi Speaker System

SB-2650
SB-2670
SB-2690

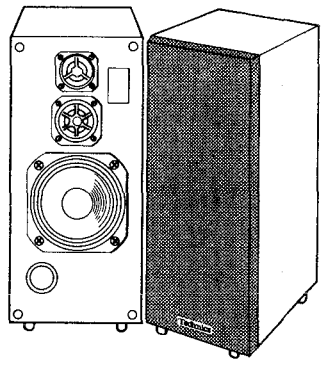
SB-2650/2670/2690

Color	Area
(M)	[XA].... Asia, Latin America, Middle Near East, Africa and Oceania.

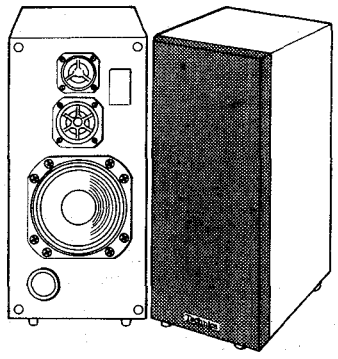
Color

(M) ... Walnut Type

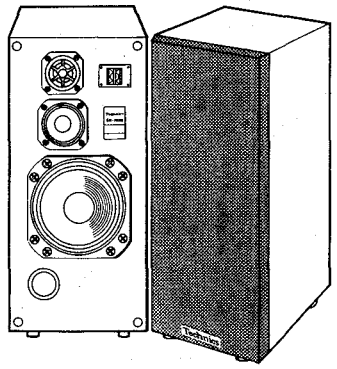
- **SB-2650**



- **SB-2670**



- **SB-2690**



SPECIFICATIONS

(Specifications are subject to change without notice for further improvement.)

Type:	(SB-2650/2670)	3 way 3-speaker system Bass-reflex
	(SB-2690)	4 way 4-speaker system Bass-reflex
Speakers:	(SB-2650)	Woofer 25 cm cone type Tweeter 5.5 cm cone type Super Tweeter horn type
	(SB-2670)	Woofer 30 cm cone type Tweeter 5.5 cm cone type Super Tweeter horn type
	(SB-2690)	Woofer 30 cm cone type Midrange 12 cm cone type Tweeter 5.5 cm cone type Super Tweeter 2 cm horn type
Impedance:		8 ohms
Input Power:	(SB-2650)	100W Music, 50W DIN
	(SB-2670)	140W Music, 70W DIN
	(SB-2690)	200W Music, 100W DIN
Output Sound Pressure Level:	(SB-2650)	92 dB/W (1.0 m)
	(SB-2670)	93 dB/W (1.0 m)
	(SB-2690)	90 dB/W (1.0 m)
Crossover Frequency:		
	(SB-2650/2670)	3,500 Hz, 10,000 Hz
	(SB-2690)	1,500 Hz, 6,000 Hz, 10,000 Hz
Frequency Range:		
	(SB-2650)	43 Hz ~ 30 kHz (−16 dB) 53 Hz ~ 25 kHz (−10 dB)
	(SB-2670)	38 Hz ~ 30 kHz (−16 dB) 48 Hz ~ 25 kHz (−10 dB)
	(SB-2690)	30 Hz ~ 30 kHz (−16 dB) 40 Hz ~ 25 kHz (−10 dB)
Dimensions (W×H×D):		
	(SB-2650)	325×740×225 mm
	(SB-2670)	370×803×265 mm
	(SB-2690)	370×803×325 mm
Weight:	(SB-2650)	8 kg
	(SB-2670)	10.5 kg
	(SB-2690)	13.5 kg

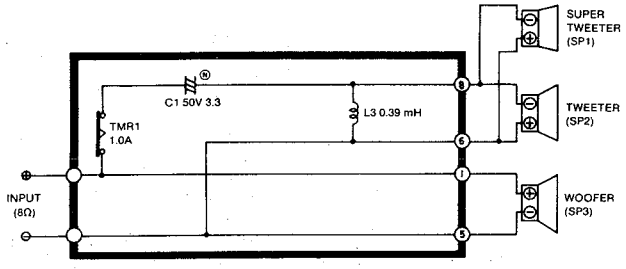
Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

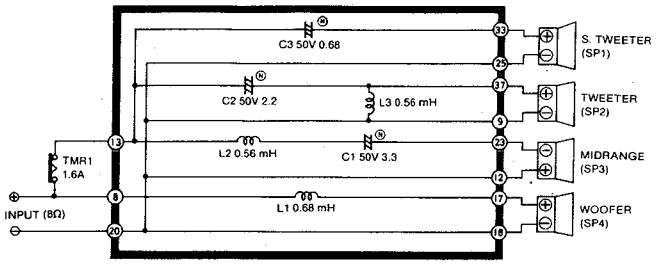
■ SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)

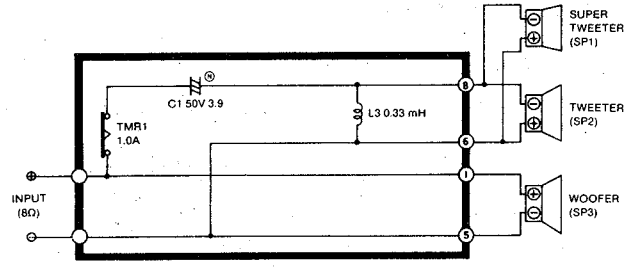
• SB-2650



• SB-2690

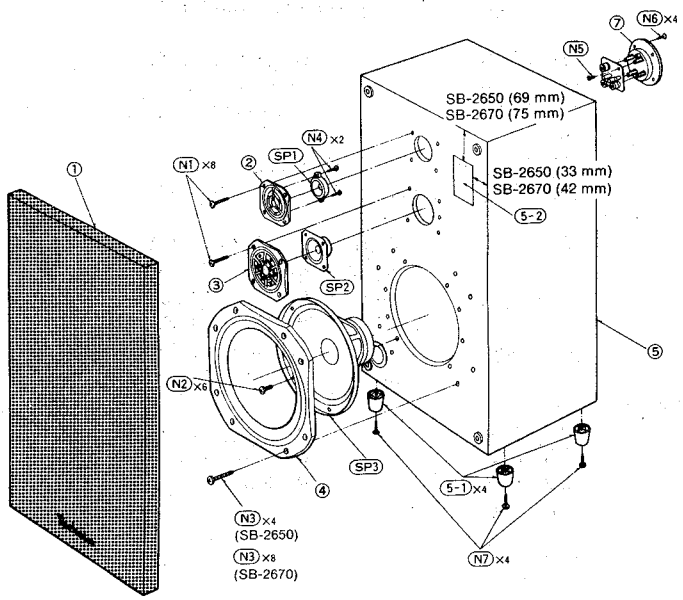


• SB-2670

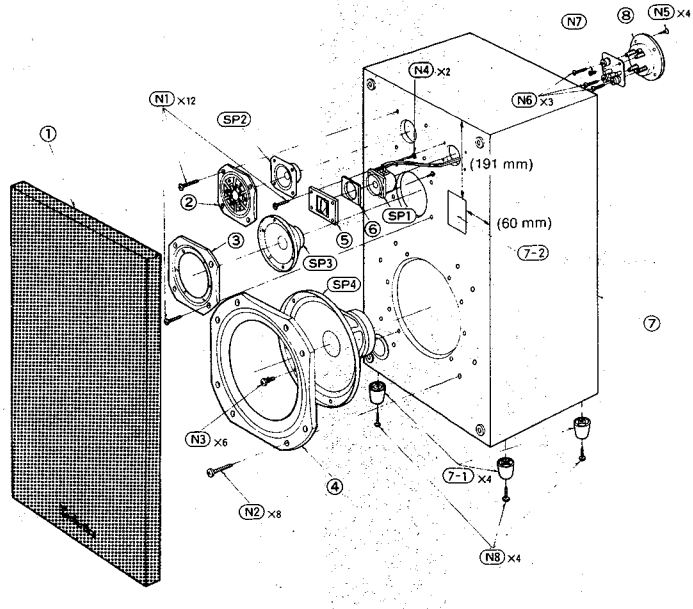


■ EXPLODED VIEW

• SB-2650/2670



• SB-2690



■ REPLACEMENT PARTS LIST

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in the columns of description stand for the quantity per set.

• SB-2650

Ref. No.	Part. No.	Part Name & Description	
SPEAKERS			
SP1	EAS3FP03G	Super Tweeter	
SP2	EAS65PH60SS	Tweeter	
SP3	EAS25PL175SD	Woofer	
COIL			
L3	SLCSC391KU	0.39 mH	
CAPACITOR			
C1	ECEA50Y3R3K	50V, 3.3μF	
THERMAL RELAY			
TMR1	SSBS10AB03	1.0A	
CABINET PARTS			
1	SYBS257	Grill	(1)
2	SGHS1061-1	Panel, Super Tweeter	(1)
3	SGHS1060-1	Panel, Tweeter	(1)
4	SGHS1066	Panel, Woofer	(1)
5	SKAB2650-MX	Cabinet Ass'y	(1)
5-1	SKLS1	Foot	(4)
5-2	SGKS315	Label	(1)
6	SJFS5204	Terminal Board	(1)

Ref. No.	Part. No.	Part Name & Description	
SCREWS			
N1	XTNSS43+25FG	Tweeter, Super Tweeter	(8)
N2	XTB4+20A	Woofer	(6)
N3	XTNSS53+25FG	Panel, Woofer	(4)
N4	XTB3+10G	Super Tweeter	(2)
N5	XTB4+30B	Terminal Board	(1)
N6	XMS31+D16FZ	Terminal Board	(4)
N7	XTB4+25A	Foot	(4)
ACCESSORIES			
A1	SQFS433	Instruction Book	(1)
A2	SWXS214	Speaker Cord	(1)
PACKING PARTS			
P1	SPHS4×205A03	Soft Sheet	(1)
P2	SPSS9011	Pad, Corner	(4)
P3	SPSS6315	Pad, Center	(1)
P4	SPSS1024	Pad, Corner	(2)
P5	SPSS1024-1	Pad, Corner	(2)
P6	SPSS6316	Pad, Bottom	(1)
P7	SPG5738	Carton Box	(1)

• SB-2670

Ref. No.	Part. No.	Part Name & Description	
SPEAKERS			
SP1	EAS3FP03G	Super Tweeter	
SP2	EAS65PH60SS	Tweeter	
SP3	EAS30PL130SD	Woofer	
COIL			
L3	SLCSC331KU	0.33 mH	
CAPACITOR			
C1	ECEA50Y3R9K	50V, 3.9μF	
THERMAL RELAY			
TMR1	SSBS10AB03	1.0A	
CABINET PARTS			
1	SYBS258	Grill	(1)
2	SGHS1061-1	Panel, Super Tweeter	(1)
3	SGHS1060-1	Panel, Tweeter	(1)
4	SGHS1071	Panel, Woofer	(1)
5	SKAB2670-MX	Cabinet Ass'y	(1)
5-1	SKLS1	Foot	(4)
5-2	SGKS316	Label	(1)
6	SJFS5204	Terminal Board	(1)

Ref. No.	Part. No.	Part Name & Description	
SCREWS			
N1	XTNSS43+25FG	Tweeter, Super Tweeter	(8)
N2	XTB4+20A	Woofer	(6)
N3	XTNSS53+25FG	Panel, Woofer	(8)
N4	XTB3+10G	Super Tweeter	(2)
N5	XTB4+30B	Terminal Board	(1)
N6	XMS31+D16FZ	Terminal Board	(4)
N7	XTB4+25A	Foot	(4)
ACCESSORIES			
A1	SQFS434	Instruction Book	(1)
A2	SWXS214	Speaker Cord	(1)
PACKING PARTS			
P1	SPHS6006	Soft Sheet	(1)
P2	SPHS5X235A03	Polyethylene	(1)
P3	SPE27	Rope	(5.2m)
P4	SPSS9011	Pad, Corner	(4)
P5	SPSS6317	Pad, Center	(1)
P6	SPSS1024	Pad, Corner	(2)
P7	SPSS1024-1	Pad, Corner	(2)
P8	SPSS6318	Pad, Bottom	(1)
P9	SPG5739	Carton Box	(1)

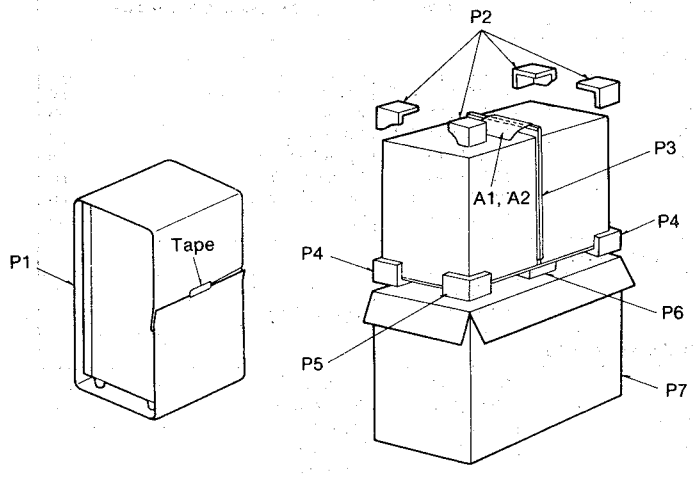
• SB-2690

Ref. No.	Part. No.	Part Name & Description	
SPEAKERS			
SP1	EAS2HH01GC	Super Tweeter	
SP2	EAS65PH60SS	Tweeter	
SP3	EAS12PM289C	Midrange	
SP4	EAS30PL135C	Woofer	
COILS			
L1	SLSCA681JZ	0.68 mH	
L2, 3	SLCSA561JZ	0.56 mH	
CAPACITORS			
C1	ECEA50Y3R3K	50V, 3.3μF	
C2	ECEA50Y2R2K	50V, 2.2μF	
C3	ECEA50YR68	50V, 0.68μF	
THERMAL RELAY			
TMR1	SSBS16AB03	1.6A	
CABINET PARTS			
1	SYBS259	Grill	(1)
2	SGHS1060-1A	Panel, Tweeter	(1)
3	SGHS1068	Panel, Midrange	(1)
4	SGHS1071	Panel, Woofer	(1)
5	SGHS7001-1	Panel, Super Tweeter	(1)
6	SHRS9094-1	Spacer, Super Tweeter	(1)
7	SKAB2690-MX	Cabinet Ass'y	(1)
[7-1	[SKLS1	Foot	(4)
[7-2	[SGKS317	Label	(1)
8	SJFB2690-MX	Terminal Board	(1)

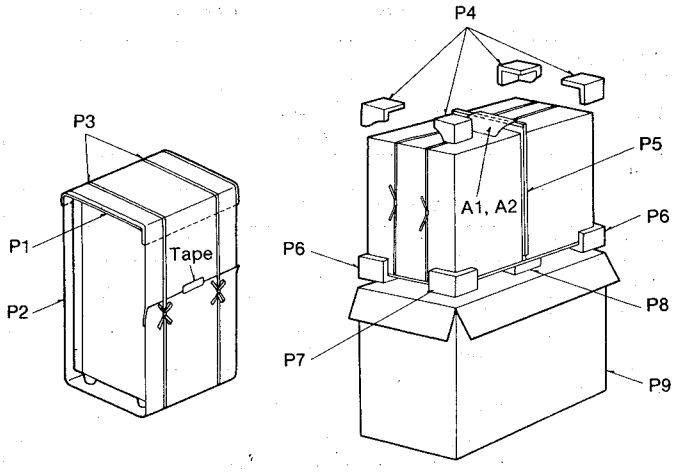
Ref. No.	Part. No.	Part Name & Description	
SCREWS			
N1	XTNSS43+25FG	Midrange, Tweeter, Super Tweeter	(12)
N2	XTNSS53+25FG	Woofer Panel	(8)
N3	XTB4+20A	Woofer	(6)
N4	XTN3+10B	Super Tweeter	(2)
N5	XMS31+D16FZ	Terminal Board	(4)
N6	XTB4+30B	Terminal Board	(3)
N7	XTB4+10G	Terminal Board	(1)
N8	XTB4+25A	Foot	(4)
ACCESSORIES			
A1	SQFS435	Instruction Book	(1)
A2	SWXS214	Speaker Cord	(1)
PACKING PARTS			
P1	SPHS6029	Soft Sheet	(1)
P2	SPHS5×235A03	Polyethylene	(1)
P3	SPE27	Rope	(5.5m)
P4	SPSS9011	Pad, Corner	(4)
P5	SPSS6374	Pad, Center	(1)
P6	SPSS1024	Pad, Corner	(2)
P7	SPSS1024-1	Pad, Corner	(2)
P8	SPSS6375	Pad, Bottom	(1)
P9	SPG5740	Carton Box	(1)

■ PACKING

• SB-2650



• SB-2670/2690



Printed in Japan
86040800 Ⓢ TN